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APPLICATION NO. FILING DATE		LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/955,983 09/20/20		9/20/2001	Tetsuhiko Miyatani	2001_1335A	1906
513	7590	09/08/2004		EXAMINER	
		D & PONACK, L	RAMAKRISHNAIAH, MELUR		
2033 K STREET N. W. SUITE 800				ART UNIT	PAPER NUMBER
WASHINGTON, DC 20006-1021			2643	2	
				DATE MAILED: 09/08/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	09/955,983	MIYATANI, TETSUHIKO	
Office Action Summary	Examiner	Art Unit	
	Melur Ramakrishnaiah	2643	
The MAILING DATE of this communication app Period for Reply	lears on the cover sheet with the c	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply if NO period for reply is specified above, the maximum statutory period was preply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on <u>20 Secondary</u> This action is FINAL . 2b)⊠ This Since this application is in condition for alloware closed in accordance with the practice under Expression in the practice under E	action is non-final. nce except for formal matters, pro		
Disposition of Claims			
4) ☐ Claim(s) 1-19 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) 17-19 is/are allowed. 6) ☐ Claim(s) 1-16 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplished any accomplished may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is objected.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) △ Acknowledgment is made of a claim for foreign a) △ All b) △ Some * c) △ None of: 1. △ Certified copies of the priority documents 2. △ Certified copies of the priority documents 3. △ Copies of the certified copies of the priorical application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National Stage	
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Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary Paper No(s)/Mail Da		
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)	

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Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-16, are rejected under 35 U.S.C 102(e) as being anticipated by Arnott (GB 2342505 A).

Regarding claim 1, Arnott discloses a communication device for transmitting and/or receiving signals using a communication antenna, comprising: signal characteristic information detection means in (106, fig. 2) for detecting information regarding signal characteristics of a calibration signal contained in a signal received by the communication antenna (22, fig. 2), a calibration means (106, fig. 2) for calibrating communication antenna chain (22, fig. 2) based on the detected signal characteristic information (page 10, line 15 – page 14 line 13), cancellation generating means for generating cancellation signal corresponding to calibration signal contained in the signal received by the communication antenna based on the calibration signal, signal cancellation by subtraction means for generating the cancellation signal received by the communication antenna (note: this reads on adjusting the correction factors stored, page 14 lines 10-13), receive signal processing means in (106, fig. 2) for processing the received signal diminished by cancellation.

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Regarding claims 2-16, Arnott further teaches the following: calibration signal transmitting antenna for transmitting a calibration signal to the communication antenna, calibiration signal transmitting means for transmitting calibration signal from a communication antenna, and calibration signal receiving antenna for the calibration signal transmitted from the communication antenna (this is implied, page 11, lines 23-25), the signal characteristic information detection means in (106, fig. 2) detecting information regarding the signal characteristics of the calibration signal received by the calibration receiving antenna, and the calibration means (106) calibrating the communication antenna chain (22, fig. 2) based on signal characteristics information, a signal generator (107, fig. 2) for generating signal of prescribed frequency for converting the signal frequency, a frequency signal generated by a common signal generator being supplied to multiple antenna chains including all communication antenna chains (22, page 11 lines 19-25), transmission/reception of a calibration signal by the communication antenna and detection information regarding signal characteristics of the calibration signal by the signal characteristic information detection means in (106, fig. 2) are performed at intervals (page 7 lines 16-22).

3. Claims 17-19, are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melur Ramakrishnaiah whose telephone number is (703) 305-1461. The examiner can normally be reached on M-F 6:30-4:00; every other F Off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis Kuntz can be reached on (703)305-4708. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Melur Ramakrishnaiah Primary Examiner Art Unit 2643